

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

### **LISTING OF CLAIMS**

1. (Currently Amended) A supply device to circulate a fluid through a flow system, comprising:

a control unit having a control housing defining a first enclosed channel formed in a wall of said control housing and in heat exchange relationship with a first cooling fluid flowing therethrough;

a drive unit ~~that communicates~~ including a drive housing defining a second channel in heat exchange relationship with said cooling fluid flowing therethrough, said drive unit in electrical communication with said control unit, said control unit controlling operation of said drive unit; and

a supply unit that is driven by said drive unit and ~~induces~~ configured to circulate said fluid flow through said flow system.

2. (Original) The supply device of claim 1 wherein said control unit includes a controller that generates heat.

3. (Currently Amended) The supply device of claim 1 wherein said first cooling fluid draws heat from said control unit.

4. (Cancelled)

5. (Currently Amended) The supply device of claim ~~[[4]]~~ 1 wherein said drive unit generates heat that is drawn from said drive unit by said ~~second~~ cooling fluid.

6. (Currently Amended) The supply device of claim ~~[[4]]~~ 1 wherein said ~~second~~ cooling fluid is a liquid.

7. (Currently Amended) The supply device of claim ~~[[4]]~~ 1 wherein said ~~second~~ cooling fluid is a gas.

8. (Original) The supply device of claim 1 wherein said drive unit includes an electric motor having a shaft interconnected to said supply unit.

9. (Currently Amended) The supply device of claim 1 wherein said supply unit includes a supply housing defining a third channel in heat exchange relationship with a ~~third~~ said cooling fluid flowing therethrough, said ~~third~~ cooling fluid drawing away heat generated by said supply unit.

10. (Currently Amended) The supply device of claim 9 wherein said ~~third~~ cooling fluid is a liquid.

11. (Original) The supply device of claim 1 wherein said supply unit is a compressor comprising:

an impeller;

a suction that is connected to said flow system, said impeller drawing a fluid from said flow system into said supply unit through said suction; and

a discharge that is connected to said flow system, said impeller pushing fluid from said supply unit into said flow system through said discharge.

12. (Cancelled)

13. (Currently Amended) A supply device to circulate a flow of hydrogen through a fuel cell system, comprising:

a control unit having a control housing defining a first enclosed channel in heat exchange relationship with a ~~first~~ cooling fluid flow;

a drive unit having a drive housing defining a second channel in heat exchange relationship with ~~a second~~ said cooling fluid flow, said control unit controlling operation of said drive unit; and

a compressor unit that is driven by said drive unit and induces hydrogen flow through said fuel cell system.

14. (Currently Amended) The supply device of claim 13 wherein said ~~first~~ cooling fluid is a liquid.

15. (Cancelled)

16. (Currently Amended) The supply device of claim 13 wherein said ~~second~~ cooling fluid is a gas.

17. (Original) The supply device of claim 13 wherein said control unit includes a controller that generates heat.

18. (Original) The supply device of claim 13 wherein said cooling fluid flowing through said first channel draws heat from said control unit.

19. (Original) The supply device of claim 13 wherein said drive unit includes an electric motor having a shaft interconnected to said compressor unit.

20. (Currently Amended) The supply device of claim 13 wherein said compressor unit includes a supply housing defining a third channel in heat exchange relationship with ~~a third~~ said cooling fluid, said ~~third~~ cooling fluid drawing away heat generated by said compressor unit.

21. (Currently Amended) The supply device of claim 20 wherein said ~~third~~ cooling fluid is a liquid.

22. (Original) The supply device of claim 13 wherein said compressor unit comprises:

an impeller;

a suction that is connected to said fuel cell system, said impeller drawing hydrogen from said fuel cell system into said compressor unit through said suction; and

a discharge that is connected to said fuel cell system, said impeller pushing hydrogen from said compressor unit into said fuel cell system through said discharge.

23. (Currently Amended) The supply device of claim 13 wherein said control unit is mounted to said drive housing, said control unit in heat exchange relationship with said ~~second~~ cooling fluid flow.

24. (Currently Amended) The supply device of claim 13 wherein said drive unit defines a fourth channel in heat exchange relationship with ~~a fourth~~ said cooling fluid flow.

25. (Currently Amended) A fuel cell system including a hydrogen flow circuit, comprising:

a supply device circulating hydrogen through said hydrogen flow circuit, said supply device comprising:

a control unit having a control housing defining a first enclosed channel in heat exchange relationship with a ~~first~~ cooling fluid flowing therethrough;

a drive unit ~~that communicates~~ including a drive housing defining a second channel in head exchange relationship with said cooling fluid flowing therethrough, said drive unit in electrical communication with said control unit, said control unit controlling operation of said drive unit; and

a supply unit that is driven by said drive unit and induces hydrogen flow through said hydrogen flow circuit; and

a fuel cell stack that receives said hydrogen flow.

26. (Currently Amended) The fuel cell system of claim 25 wherein said ~~first~~ cooling fluid is a liquid.

27. (Currently Amended) The fuel cell system of claim 25 wherein said ~~first~~ cooling fluid draws heat from said control unit.

28. (Cancelled)

29. (Currently Amended) The fuel cell system of claim ~~[[28]]~~ 25 wherein said drive unit generates heat that is drawn from said drive unit by said ~~second~~ cooling fluid.

30. (Cancelled)

31. (Currently Amended) The fuel cell system of claim ~~[[28]]~~ 25 wherein said ~~second~~ cooling fluid is a gas.

32. (Original) The fuel cell system of claim 25 wherein said drive unit includes an electric motor having a shaft interconnected to said supply unit.

33. (Currently Amended) The fuel cell system of claim ~~[[28]]~~ 25 wherein said control unit is attached to said drive housing, said control unit in heat exchange relationship with said ~~second~~ cooling fluid flow.

34. (Currently Amended) The fuel cell system of claim 25 wherein said supply unit includes a supply housing defining a third channel in heat exchange relationship with ~~a-third~~ said cooling fluid flowing therethrough, said ~~third~~ cooling fluid drawing away heat generated by said supply unit.

35. (Currently Amended) The fuel cell system of claim 34 wherein said ~~third~~ cooling fluid is a liquid.

36. (Original) The fuel cell system of claim 25 wherein said supply unit is a compressor comprising:

an impeller;

a suction that is connected to said hydrogen flow circuit, said impeller drawing a fluid from said hydrogen flow circuit into said supply unit through said suction; and

a discharge that is connected to said hydrogen flow circuit, said impeller pushing fluid from said supply unit into said hydrogen flow circuit through said discharge.

37. (Currently Amended) The fuel cell system of claim 25, wherein said drive unit further comprises a drive housing defining a second channel in heat exchange relationship with said ~~a second~~ cooling fluid flowing therethrough and a third channel in heat exchange relationship with said ~~a third~~ cooling fluid flowing therethrough.

38. (Currently Amended) The fuel cell system of claim 37 wherein said ~~second~~ cooling fluid is a liquid.

39. (Currently Amended) The fuel cell system of claim 37 wherein said ~~third~~ cooling fluid is a gas.

40. (New) The supply device of claim 1, wherein said fluid flow circulated by said supply unit includes said cooling fluid.

41. (New) The fuel cell system of claim 25, wherein said hydrogen flow induced by said supply unit includes said cooling fluid.